

PART I Authorization to Operate

- A. The permittee is authorized to operate a Class V Injection Well(s), at the facility described in the permit application and in the cover page of this permit, in accordance with the provisions set forth in this permit
- B. This permit and the authorization to inject shall remain in effect until the expiration date stated on the cover page of this permit. If the permittee desires to continue injection past the expiration date of this permit, the permittee shall request a permit reissuance at least 180 days prior to expiration of this permit.
- C. The permittee shall inject only air, ozone, and oxygen gas as described in the permit application for the purpose of remediating existing contamination present in the subsurface.
- D. The permittee shall not inject any substance that is defined as hazardous or toxic by Federal or State laws or regulations or any substance not identified in the application for this permit. The use of fluids or substances other than those identified in the permit application is prohibited.

PART II Records, Reports, & Submittals

- A. The permittee shall retain all records concerning the data used to complete the permit application, the operation of the wells, and the nature and composition of fluid injected; to include records of the calibration of instruments, meters and gauges, quality control records, and recordings from continuous monitoring instrumentation; until at least three years after the closure of well(s).
- B. When requested by ADEM, the permittee shall deliver copies of any of the records maintained in accordance with this permit.
- C. The permittee shall report to ADEM any of the following:
 - 1. Any planned action which will change the use of the injection wells, will result in injection of a fluid different from that authorized by this permit, will change the method of operations of any injection well, or will change the method of the monitoring of well operations or injected fluids.
 - 2. Any planned transfer of ownership of all or part of the permitted operation.
 - 3. Any relevant facts of which the permittee becomes aware which should have been submitted in a permit application and any corrections to data previously submitted in a permit application.
- D. Studies, engineering reports, plans and specifications, plugging and abandonment plans, logging reports, and other technical documents submitted to comply with this permit shall be prepared by or under the supervision of qualified persons defined by Rule 6-8-.13 of the UIC Regulations of ADEM.

PART III Plugging and Abandonment

- A. The permittee shall perform any abandonment and closure actions which may be required to remove a threat to groundwater quality or to the health of persons which is caused by the injection activity.
- B. Upon the end of use for each injection well, the permittee shall plug and abandon each well in a manner which protects each USDW from pollution by surface water and which prevents the movement of any pollutant or formation fluid from one USDW to another or from one formation to another and which isolates the injection zone

PART IV General Provisions

- A. The permittee shall comply with all provisions of the UIC Regulations of ADEM and shall comply with all provisions of this permit and shall reduce or halt injection if needed to maintain compliance with the permit and regulations.
- B. The permittee shall comply with all applicable Federal and State hazardous waste management regulations.
- C. The permittee shall allow members of ADEM staff to:
 - 1. Access property and records of the permittee for purposes of inspection.
 - 2. Collect samples of the injected fluids associated with the permitted injection wells.
 - 3. Collect samples from any monitoring wells.
 - 4. Obtain copies of records upon request.
- D. The permittee shall immediately take all reasonable steps to minimize or correct any adverse environmental impact resulting from the operation of the permitted injection wells.
- E. This permit does not convey any property rights of any sort, or any exclusive privilege.
- F. The filing of a request by the permittee for a permit modification, revocation, and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition.
- G. Any noncompliance with this permit constitutes a violation of the Alabama Water Pollution Control Act and/or the Underground Injection Control Regulations and is grounds for enforcement action such as permit termination, revocation, modification; or denial of a permit renewal application.
- H. Injection into waters of the state, which in this case is groundwater, in accordance with this permit shall not result in the exceedance of any primary or secondary Maximum Contaminant Level (MCL) in groundwater as established by the Environmental Protection Agency. Injection into groundwater, in accordance with this permit shall not result in a violation of a surface water quality standard.
- I. All provisions of ADEM Admin. Code Rule 335-6-8-.12 are incorporated as terms and conditions of this permit by reference.

ADEM Permit Rationale

Date: May 17, 2016

Prepared by: Joe Kelly

Permit Applicant Name: Murphy Oil USA, Inc. attention Harry Lewis, 200
Peach Street, El Dorado, Arkansas 71730

Facility Name: Murphy USA No 5593

Location: 5700 McFarland Blvd
Northport
Tuscaloosa County, Alabama
Lat: N 33.235833/W -87.613056
Town 21S, Range 10 W, Section 7

UIC Permit Number ALSI9963037

Draft Permit is: Initial Registration / New Use

Injection Description: injection of air, ozone and oxygen gas to aid in the
remediation of petroleum contamination

Discussion: Standard permit drafted.